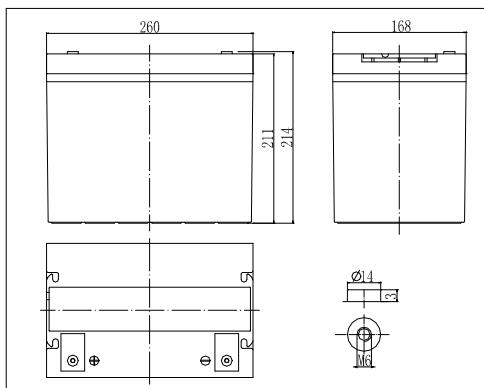


# 12ET80L

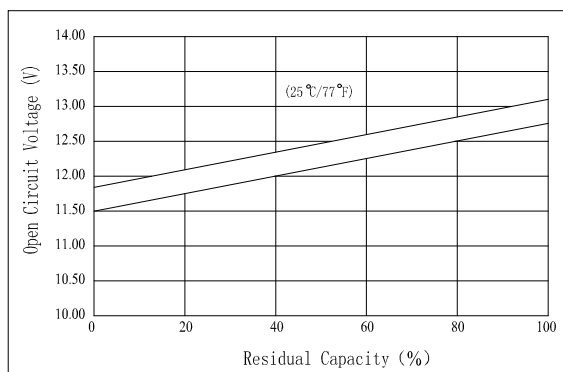
## (12V 80Ah Battery)

Floating Life at 20°C designed for 12+ years

### Dimensions



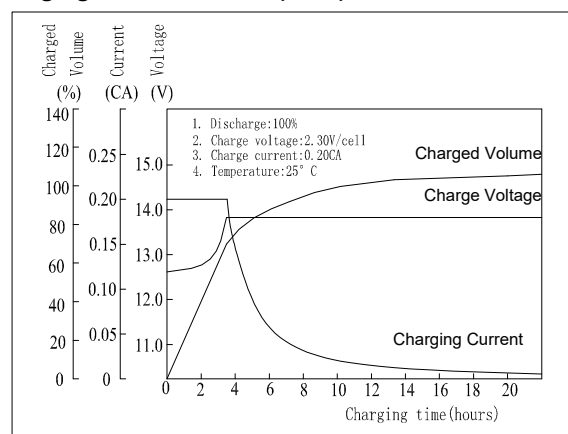
### The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



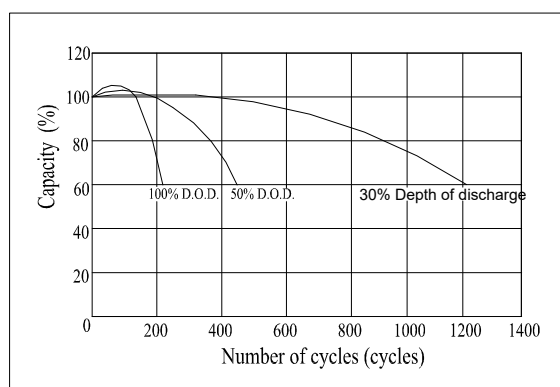
### Specifications

|                                           |              |                            |
|-------------------------------------------|--------------|----------------------------|
| Nominal Voltage                           |              | 12V                        |
| Capacity (20hr@25°C@1.8V/C)               |              | 84Ah                       |
| Dimensions                                | Length       | 260mm (10.24inch)          |
|                                           | Width        | 168mm (6.61inch)           |
|                                           | Height       | 211mm (8.31inch)           |
|                                           | Total Height | 214mm (8.43inch)           |
| Approx. Weight                            |              | 24.2kg (53.3lbs)           |
| Maximum charging current                  |              | 24A                        |
| Maximum discharge current                 |              | 800A (5sec.)               |
| Internal resistance (Fully charged, 25°C) |              | Approx. 5.4mΩ              |
| Capacity affected by temperature (10hr)   | 40°C         | 102%                       |
|                                           | 25°C         | 100%                       |
|                                           | 0°C          | 85%                        |
|                                           | -15°C        | 65%                        |
| Self-discharge (25°C)                     | 3 month      | Remaining Capacity: 91%    |
|                                           | 6 month      | Remaining Capacity: 82%    |
|                                           | 12 month     | Remaining Capacity: 65%    |
| Nominal operating temperature             |              | 25°C ±3°C (77°F±5°F)       |
| Operating temperature range               |              | -15°C ~ 50°C (5°F ~ 122°F) |
| Float charging voltage (25°C)             |              | 13.65 to 13.80V            |
| Cyclic charging voltage (25°C)            |              | 14.50 to 14.90V            |
| Terminal material                         |              | Copper                     |

### Charging Characteristics (25°C)



### Cycle Life (25°C)



### Constant Current Discharge Characteristics (Ampere / Battery, 25°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 1h   | 3h   | 5h   | 10h  | 20h  |
|----------|------|-------|-------|-------|------|------|------|------|------|
| 9.60V    | 256  | 175   | 135   | 84,0  | 52,0 | 20,3 | 14,6 | 8,12 | 4,26 |
| 10.2V    | 243  | 166   | 130   | 80,6  | 49,9 | 20,0 | 14,4 | 8,08 | 4,23 |
| 10.8V    | 229  | 156   | 123   | 76,6  | 47,4 | 19,6 | 14,1 | 8,00 | 4,20 |

### Constant Power Discharge Characteristics (Watt / Battery, 25°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 1h  | 3h  | 5h  | 10h  | 20h  |
|----------|------|-------|-------|-------|-----|-----|-----|------|------|
| 9.60V    | 2688 | 1890  | 1482  | 942   | 593 | 239 | 173 | 97,0 | 51,1 |
| 10.2V    | 2554 | 1796  | 1423  | 905   | 569 | 235 | 170 | 96,5 | 50,8 |
| 10.8V    | 2400 | 1688  | 1352  | 860   | 541 | 230 | 167 | 95,5 | 50,4 |